PROJECT NUMBER: 5001
PROJECT TITLE: Packaging Studies
PROJECT LEADER: H. R. Dunaway
PERIOD COVERED: April, 1988

PACKAGING STUDIES

A. **Objective**: Assist New Products Directorate in evaluating new packaging concepts and products, and provide technical packaging support to Manufacturing, Manufacturing Services, Engineering, Purchasing, and Quality Assurance.

B. **Status/Plans**:

1. **Project Fox**: Four box samples with various color pigments, submitted by Nypro using their most promising resin (#55500), have been analyzed by Headspace/GC and subjectively evaluated. Based on results from these and previous tests, we feel that this plastic pack will be subjectively acceptable, for use in consumer testing, if heat treated prior to packing.

2. **Polypropylene Laminated Blanks and Cartons**: A study has been initiated to evaluate flip-top boxes and cartons, with poly laminated to the inside surface, for improved moisture retention. Currently awaiting adhesive samples for machine testing.

3. **Flavor Development Menthol Aging Study**: Assisting in evaluating 20 menthol brands by providing: OV's on tobacco, labels, FTB's, and cartons; cigarette spotting and staining comparisons; WVTR and gauge of pack wraps; and menthol absorption rates of packaging materials.

4. **Residual Printing Solvents in Packaging Materials**: Coordinated testing and advised Purchasing on the acceptability for use of the following items in production:

- Elan 100 Reg & Men FT 20, FT 20 COMP, FT 20/200
- Elan Reg & Men Tipping Paper
- Toluol Free Marlboro Tipping Paper
- Manhattan 100 SP 20, 20/200, KS FT 6
- All Natural KS & 100 SP 20
- All Natural Tipping Papers
- PM Super LTS FT 6 (European and Domestic)
- Alpine SBS Promo Materials
- Alpine 2 for 1 Poly Band
- Alpine Pack Coupons
- Alpine 25¢ Off Pack Sticker
- Merit Taste Challenge '88 Pack Sticker

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